Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/27/2019 11:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126433	1	2.26	126437	2.28
Blue	F	SSC	125000	124596	-1	3.50	125368	3.60
Blue	E	FITC	16694	16599	-1	3.80	387	22.15
Blue	D	PE	32792	32889	0	2.94	723	16.71
Blue	B	PerCP-Cy5-5	44451	44468	0	4.60	1223	23.18
Blue	A	PE-Cy7	33645	33644	-1	7.20	608	49.18
Red	C	APC	47008	46799	-1	3.04	1808	13.56
Red	A	APC-Cy7	32298	31668	-2	2.93	789	13.81
Violet	B	V450	8961	8632	-4	4.79	480	15.71
Violet	A	V500	32726	31672	-4	4.48	764	11.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21041	6.75	613	0	N/A	N/A	Pass
Blue	F	SSC	56320	3.12	583	15	N/A	N/A	Pass
Blue	E	FITC	65	74.13	569	6	0.0155	188	Pass
Blue	D	PE	145	57.49	574	8	0.1211	266	Pass
Blue	B	PerCP-Cy5-5	223	58.91	678	7	0.0073	113	Pass
Blue	A	PE-Cy7	118	124.17	733	7	0.0086	29	Pass
Red	C	APC	412	29.04	613	0	0.0186	129	Pass
Red	A	APC-Cy7	193	31.90	584	-1	0.0049	1322	Pass
Violet	B	V450	73	73.06	484	-2	0.0351	2135	Pass
Violet	A	V500	109	41.74	494	-2	0.0187	1295	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.74	-32.02	1.06
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.92	13.60 - 20.40	N/A	N/A	28.81	29.51	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9638

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments